

US-PAT-NO: 5891664

DOCUMENT-IDENTIFIER: US 5891664 A

TITLE: Vectors and methods for recombinant production of uPA-binding fragments of the human urokinase-type plasminogen receptor (uPAR)

DATE-ISSUED: April 6, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dan.o slashed. ; Keld	Charlottenlund	N/A	N/A	DKX
Blasi; Francesco	Charlottenlund	N/A	N/A	DKX
Roldan; Ann Louring	Vallensb.ae butted.k	N/A	N/A	DKX
Cubellis; Maria Vittoria	Napoli	N/A	N/A	ITX
Masucci; Maria Teresa	Napoli	N/A	N/A	ITX
Appella; Ettore	Chevy Chase	MD	N/A	N/A
Schleuning; Wolf-Dieter	Berlin	N/A	N/A	DEX
Behrendt; Niels	Bagsv.ae butted.rd	N/A	N/A	DKX
R.o slashed.nne; Ebbe	Copenhagen	N/A	N/A	DKX
Kristensen; Peter	Copenhagen	N/A	N/A	DKX
Pollanen; Jari	Espoo	N/A	N/A	FIX
Salonen; Eeva-Marjatta	Espoo	N/A	N/A	FIX
Stephens; Ross W.	Helsinki	N/A	N/A	FIX
Tapiovaara; Hannele	Helsinki	N/A	N/A	FIX
Vaheri; Antti	Kauniainen	N/A	N/A	FIX
M.o slashed.ller; Lisbeth Birk	Bagsv.ae butted.rd	N/A	N/A	DKX
Ellis; Vincent	Copenhagen	N/A	N/A	DKX
Lund; Leif R.o slashed.ge	Copenhagen	N/A	N/A	DKX
Ploug; Michael	Copenhagen	N/A	N/A	DKX
Pyke; Charles	S.o slashed.borg	N/A	N/A	DKX
Patthy; Laszlo	Budapest	N/A	N/A	HUX

US-CL-CURRENT: 435/69.1; 435/320.1, 435/69.7, 536/23.5

## ABSTRACT:

Activation of plasminogen to plasma is inhibited by preventing the binding of a receptor binding form of urokinase-type plasminogen activator to a urokinase-type plasminogen activator receptor in a mammal, thereby preventing the urokinase-type plasminogen activator from converting plasminogen into plasmin. DNA fragments which encode for soluble, active fragments of the urokinase-type plasminogen activator are provided.

22 Claims, 83 Drawing figures Exemplary Claim Number: 1  
Number of Drawing Sheets: 53

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMIC	Draw Desc	Image
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☐ 5. Document ID: US 5519120 A

L24: Entry 5 of 5

File: USPT

May 21, 1996

Term	Documents
WOUND.USPT.	173578
WOUNDS.USPT.	7516
HEALING.USPT.	17124
HEALINGS.USPT.	15
(18 AND (WOUND ADJ HEALING)).USPT.	5

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Documents, starting with Document:

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**Search Results - Record(s) 11 through 13 of 13 returned.**☐ 11. Document ID: US 4764369 A

L17: Entry 11 of 13

File: USPT

Aug 16, 1988

US-PAT-NO: 4764369

DOCUMENT-IDENTIFIER: US 4764369 A

TITLE: Udenatured virus-free biologically active protein derivatives

DATE-ISSUED: August 16, 1988

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Neurath; Alexander R.	New York	NY	N/A	N/A
Horowitz; Bernard	New Rochelle	NY	N/A	N/A

US-CL-CURRENT: 424/176.1; 435/236, 514/8

## ABSTRACT:

A mammalian blood protein-containing composition such as whole blood, plasma, serum, plasma concentrate, cryoprecipitate, cryosupernatant, plasma fractionation precipitate or plasma fractionation supernatant substantially free of hepatitis and other lipid coated viruses with the yield of protein activity to total protein being at least 80% is disclosed. The protein-containing composition is contacted with di- or trialkylphosphate, preferably a mixture of trialkylphosphate and detergent, usually followed by removal of the di- or trialkylphosphate.

16 Claims, 8 Drawing figures Exemplary Claim Number: 1  
Number of Drawing Sheets: 2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 12. Document ID: US 4613501 A

L17: Entry 12 of 13

File: USPT

Sep 23, 1986

US-PAT-NO: 5418130

DOCUMENT-IDENTIFIER: US 5418130 A

TITLE: Method of inactivation of viral and bacterial blood contaminants

DATE-ISSUED: May 23, 1995

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Platz; Matthew S.	Columbus	OH	N/A	N/A
Goodrich, Jr.; Raymond P.	Pasadena	CA	N/A	N/A
Yerram; Nagendar	South Pasadena	CA	N/A	N/A

US-CL-CURRENT: 435/2; 424/529, 424/530, 424/531, 424/532, 424/533, 424/534,  
435/173.3, 435/238

## ABSTRACT:

A method is provided for inactivating viral and/or bacterial contamination in blood cellular matter, such as erythrocytes and platelets, or protein fractions. The cells or protein fractions are mixed with chemical sensitizers and irradiated with, for example, UV, visible, gamma or X-ray radiation. In particular, quaternary ammonium or phosphonium substituted, halo-psoralen compounds are described as being useful.

41 Claims, 29 Drawing figures Exemplary Claim Number: 1

Number of Drawing Sheets: 22

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw Desc	Image
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☐ 8. Document ID: US 4909940 A

L17: Entry 8 of 13

File: USPT

Mar 20, 1990

US-PAT-NO: 5776452  
DOCUMENT-IDENTIFIER: US 5776452 A

TITLE: Thrombosis agent

DATE-ISSUED: July 7, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Eibl; Johann	Vienna	N/A	N/A	ATX
Philapitsch; Anton	Ebenfurt	N/A	N/A	ATX
Schwarz; Hans Peter	Vienna	N/A	N/A	ATX

US-CL-CURRENT: 424/94.64; 424/529, 424/530, 424/531, 424/94.63

ABSTRACT:

The invention provides compositions having thrombolytic effects, and comprise plasmin and a plasminogen activator. Such compositions can be administered locally or systemically. The invention also provides simple and safe therapies for thrombotic states and prevention of such states.

19 Claims, 0 Drawing figures Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Draw Desc	Image
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☐ 6. Document ID: US 5516629 A

L17: Entry 6 of 13

File: USPT

May 14, 1996

US-PAT-NO: 5679342

DOCUMENT-IDENTIFIER: US 5679342 A

TITLE: Hepatitis C virus infected cell systems

DATE-ISSUED: October 21, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Houghton; Michael	Oakland	CA	N/A	N/A
Steimer; Kathelyn S.	Benicia	CA	N/A	N/A
Weiner; Amy J.	Benicia	CA	N/A	N/A

US-CL-CURRENT: 424/93.21; 424/189.1, 424/228.1, 435/235.1, 435/239, 435/372.2,  
435/372.3, 435/5, 435/69.3, 435/70.3

## ABSTRACT:

The present invention is directed to extracorporeal cell systems infected with hepatitis C virus (HCV). The present invention also relates to products of such cell systems and their use as vaccines and in immunoassays. Methods whereby HCV-infected extracorporeal cell systems are constructed are included, and various immunoassays to detect HCV antibodies are also presented. The HCV-infected cell systems can be used to screen putative antiviral agents.

3 Claims, 12 Drawing figures Exemplary Claim Number: 1

Number of Drawing Sheets: 7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw Desc	Image
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Term	Documents
KERATINOCYTES.USPT.	1873
KERATINOCYTE.USPT.	919
(1 AND KERATINOCYTES).USPT.	12

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US-PAT-NO: 5696086  
DOCUMENT-IDENTIFIER: US 5696086 A

TITLE: Methods and kits using macrophage stimulating protein

DATE-ISSUED: December 9, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Avraham; Hava Karsenty	Brookline	MA	N/A	N/A
Godowski; Paul J.	Burlingame	CA	N/A	N/A

US-CL-CURRENT: 514/12; 530/351, 530/380

ABSTRACT:

The invention provides methods for stimulating megakaryocyte maturation and thrombocyte production using macrophage stimulating protein ("MSP"). In the methods, an effective amount of MSP can be administered in vivo, or alternatively, be used to stimulate maturation of megakaryocytes and produce thrombocytes in vitro. Methods for treating thrombocytopenia in a mammal with MSP are also provided. Kits and articles of manufacture which include MSP are further provided.

12 Claims, 0 Drawing figures Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Drawl Desc	Image
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☐ 10. Document ID: US 5679342 A

L18: Entry 10 of 12

File: USPT

Oct 21, 1997

US-PAT-NO: 4540573  
DOCUMENT-IDENTIFIER: US 4540573 A

TITLE: Undenatured virus-free biologically active protein derivatives

DATE-ISSUED: September 10, 1985

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Neurath; Alexander R.	New York	NY	N/A	N/A
Horowitz; Bernard	New Rochelle	NY	N/A	N/A

US-CL-CURRENT: 530/381; 424/529, 424/531, 424/534, 514/2, 514/6, 530/351,  
530/359, 530/364, 530/380, 530/382, 530/383, 530/384, 530/385, 530/386,  
530/390.1, 530/392, 530/393, 530/394, 530/829, 530/830, 530/831

ABSTRACT:

A mammalian blood protein-containing composition such as whole blood, plasma, serum, plasma concentrate, cryoprecipitate, cryosupernatant, plasma fractionation precipitate or plasma fractionation supernatant substantially free of hepatitis and other lipid coated viruses with the yield of protein activity to total protein being at least 80% is disclosed. The protein-containing composition is contacted with di- or trialkylphosphate, preferably a mixture of trialkylphosphate and detergent, usually followed by removal of the di- or trialkylphosphate.

34 Claims, 8 Drawing figures Exemplary Claim Number: 1  
Number of Drawing Sheets: 2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw Desc	Image
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Term	Documents
LYOPHILIZATION.USPT.	9087
LYOPHILISATION.USPT.	829
LYOPHILISATIONS.USPT.	3
LYOPHILIZATIONS.USPT.	53
(16 AND LYOPHILIZATION).USPT.	13

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Documents, starting with Document:

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L22: Entry 1 of 6

File: USPT

Sep 21, 1999

US-PAT-NO: 5955256

DOCUMENT-IDENTIFIER: US 5955256 A

TITLE: Method of inactivation of viral and bacterial blood contaminants

DATE-ISSUED: September 21, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sowemimo-Coker; Samuel O.	Arcadia	CA	N/A	N/A
Yerram; Nagender	So. Pasadena	CA	N/A	N/A
Goodrich, Jr.; Raymond P.	Pasadena	CA	N/A	N/A
Platz; Matthew S.	Columbus	OH	N/A	N/A

US-CL-CURRENT: 435/2; 435/173.1, 435/173.3

## ABSTRACT:

Viral, bacterial and parasitic contaminants in blood and cell culture containing compositions are inactivated by adding a photosensitizer and a blocking agent to the composition and irradiating the resulting mixture with electromagnetic radiation. Blocking agents reduce photolysis of the photosensitizer by mechanisms not involving the quenching of reactive oxygen species. The blocking agents reduce photolysis which occurs by ring opening. Preferred photosensitizers are quinoline or quinolone.

11 Claims, 18 Drawing figures Exemplary Claim Number: 1  
Number of Drawing Sheets: 14

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Draw Desc	Image
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☐ 2. Document ID: US 5869701 A

L22: Entry 2 of 6

File: USPT

Feb 9, 1999

US-PAT-NO: 5968546

DOCUMENT-IDENTIFIER: US 5968546 A

TITLE: Keratinocyte culture from precursor cells

DATE-ISSUED: October 19, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Baur; Marcus	CH-1066 Epalinges	N/A	N/A	CHX
Hunziker; Thomas	CH-3653 Oberhofen	N/A	N/A	CHX
Limat; Alain	CH-1712 Tafers	N/A	N/A	CHX
Riedel; Wolfram	D-869198 Utting	N/A	N/A	DEX
Toloczyki; Christian	D-86919 Utting	N/A	N/A	DEX

US-CL-CURRENT: 424/444; 435/384, 514/772.3, 514/774

## ABSTRACT:

The present invention relates to the treatment of skin defect by organotypically cultured autologous keratinocytes isolated from the outer root sheath of hair follicles. Methods for primary as well as subsequent organotypic cultures (epidermal equivalents) in fully defined media eventually supplemented by autologous human serum and substances isolated from blood components, with minimal allogeneic biological supplements, are disclosed. Techniques to prepare epidermal equivalents for transplantation are included, as well as a method for the transport of the epidermal equivalents.

19 Claims, 0 Drawing figures Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 3. Document ID: US 5928928 A

L24: Entry 3 of 5

File: USPT

Jul 27, 1999